<u>**LISTING OF CLAIMS**</u>

The present listing of claims replaces all prior versions.

Claim 1 (Currently Amended). Method of transporting packets between
an <u>subscriber installation specific</u> access interface ~~of a subscriber installation~~ and a
concentrating router of a shared network, comprising the steps of:

carrying out, at the <u>subscriber installation specific</u> access interface, <u>police</u> ~~non-~~
~~signature analysis~~ control operations on streams of packets transmitted to the
concentrating router, within the framework of a contract between the subscriber and a
manager of the shared network, and

after having carried out the control operations concerning a packet to be
transmitted, transmitting said packet from the aceess interface to the concentrating
router, each packet being transmitted with a signature based on a secret shared with the
concentrating router, authenticating that the packet has been subjected to the control
operations.

Claim 2 (Original). Method according to claim 1, wherein the signature consists
of a code word added to the content of the packet.

Claim 3 (Previously Presented). Method according to claim 2, wherein said
code word is caleulated by hashing at least part of a content of the packet, involving
the shared secret.

Claim 4 (Original). Method according to elaim 1, wherein the signature

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consists of an enciphering of a content of the packet by means of a private key forming said shared secret.

Claim 5 (Previously Presented). Method according to claim 1, wherein the method further comprises a step of obtaining the signature and a step of carrying out at least some of the control operations, said steps of obtaining the signature and carrying out at least some of the control operations being carried out in a single integrated circuit.

Claim 6 (Currently Amended). Access interface for linking an ~~a~~ subscriber installation specific access router ~~of subscriber installation~~ to a concentrating router of a shared network, comprising:

police analysis ~~non-signature analysis~~ means for controlling streams of packets transmitted from the subscriber installation specific access router to the concentrating router, within the framework of a contract between the subscriber and a manager of the shared network, and

signature means receiving the packets delivered by the stream control means and producing signed packets transmitted to the concentrating router, each transmitted packet being signed and each signed packet comprising a signature based on a secret shared with the concentrating router, authenticating that the packet has been subjected to the stream control means.

Claim 7 (Original). Interface according to claim 6, wherein the signature consists

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of a code word added to the content of the packet.

Claim 8 (Original). Interface according to claim 7, wherein the signature means include means for calculating said code word by hashing at least part of a content of the packet, involving the shared secret.

Claim 9 (Original). Interface according to claim 6, wherein the signature consists of an enciphering of a content of the packet by means of a private key forming said shared secret.

Claim 10 (Original). Interface according to claim 6, wherein the signature means and at least part of the stream control means belong to a single integrated circuit, without physical access between the stream control means and the signature means.

Claims 11-20 Cancelled.